

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Dwayne Best Examiner #: 68457 Date: 10/5  
 Art Unit: 2602 Phone Number 30 \_\_\_\_\_ Serial Number: 101780550  
 Location: Box 2 8A37 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*  
 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Barliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

5,802,241


## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>YES</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	<u>Dialog</u> _____
Searcher Location: _____	Structure (#) _____	<u>Questel/Orbit</u> _____
Date Searcher Picked Up: <u>10/5</u>	Bibliographic _____	<u>Dr. Link</u> _____
Date Completed: _____	Litigation <u>X</u> _____	<u>Lexis/Nexis</u> _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>25</u>	Other _____	Other (specify) _____

Query/Command : prt max legalall

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*1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image*

**PN** -  US5802241 A 19980901 [US5802241]  
**TI** - (A) Communication system  
**PA** - (A) MATSUSHITA ELECTRIC IND CO LTD (JP)  
**PA0** - Matsushita Electric Industrial Company, Ltd., Osaka [JP]  
**IN** - (A) OSHIMA MITSUAKI (JP)  
**AP** - US70637696 19960830 [1996US-0706376]  
**FD** - Cont. of US217895 19940325 [1994US-0217895] (Abandoned)  
C.I.P. of US126589 19930927 [1993US-0126589]  
C.I.P. of US37108 19930325 [1993US-0037108]  
**PR** - US70637696 19960830 [1996US-0706376]  
JP6793492 19920326 [1992JP-0067934]  
JP25607092 19920925 [1992JP-0256070]  
JP6646193 19930325 [1993JP-0066461]  
JP13298493 19930510 [1993JP-0132984]  
JP26161293 19930924 [1993JP-0261612]  
JP34997293 19931227 [1993JP-0349972]  
US21789594 19940325 [1994US-0217895]  
US12658993 19930927 [1993US-0126589]  
US3710893 19930325 [1993US-0037108]  
**IC** - (A) H04N-005/38 H04N-005/91  
**EC** - G11B-020/00P  
H03M-013/25T  
H03M-013/35  
H04L-001/00B1  
H04L-001/00B2  
H04L-001/00B5L  
H04L-027/02  
H04L-027/04  
H04L-027/18M  
H04L-027/26M1  
H04L-027/26M1E  
H04L-027/34M  
H04L-027/38N2  
H04N-005/00M2  
H04N-005/44N  
H04N-007/24  
H04N-007/24A  
H04N-007/24C14  
H04N-007/26E  
H04N-007/26E4  
H04N-007/26H30  
**ICO** - S11B-023/28  
S11B-027/034  
S11B-027/10A1

T04L-001/00B7B

T04L-001/00B7C

**PCL** - ORIGINAL (O) : 386046000; CROSS-REFERENCE (X) : 348723000**DT** - Basic**CT** - US5087975; US5282019; US5291289; EP0485108; EP0485105; EP0506400; EP0540231

4th International Workshop on HDTV, Sep. 1991, Torino, IT; Elsevier 1992; pp. 61-69, Uz et al.: "Multiresolution Source and Channel Coding for Digital Broadcast of HDTV".

SMPTE Journal, vol. 101, No. 8, Aug. 1992, Scarsdale, NY US; pp. 538-549, Schreiber "Spread-Spectrum Television Broadcasting".

Signal Processing: Image Communication, vol. 4, Aug. 1992, Amsterdam, NL; pp. 283-292, Uz et al: "Combined Multiresolution Source Coding and Modulation for Digital Broadcast of HDTV".

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IEEE International Conference on Communications, 23-26 May 1993, Geneva, CH; New York, US, 1993; pp. 1081-1085, Fazel & Ruf: "Combined Multilevel Coding and Multiresolution Modulation".

European Transactions on Telecommunications and Related Technologies, vol. 4, No. 3, May 1993, Italy; pp. 325-334, Seshadri & Sundberg, "Multi-level Block Coded Modulations with Unequal Error Protection for the Rayleigh Fading Channel".

Multidimensional Systems and Signal Processing, vol. 3, No. 2-3, May 1992, NL, pp. 161-187, Vetterli et and Uz: "Multiresolution Coding Techniques for Digital Television: A Review".

IEEE Transactions on Information Theory, vol. 18, No. 1, Jan. 1972, New York, US; pp. 2-4, Cover: "Broadcast Channels".

IEEE Global Telecommunications Conference 1991, 2-5 Dec. 1991, Phoenix, US; IEEE New York, US. 1991; pp. 40-46, Hoehner et al.: "Performance of an RCPC-Coded OFDM-Based Digital Audio Broadcasting (DAB) System".


**STG** - (A) United States patent**AB** -

At the transmitter side, carrier waves are modulated according to an input signal for producing relevant signal points in a signal space diagram. The input signal is divided into, two, first and second, data streams. The signal points are divided into signal point groups to which data of the first data stream are assigned. Also, data of the second data stream are assigned to the signal points of each signal point group. A difference in the transmission error rate between first and second data streams is developed by shifting the signal points to other positions in the space diagram expressed at least in the polar coordinate system. At the receiver side, the first and/or second data streams can be reconstructed from a received

signal. In TV broadcast service, a TV signal is divided by a transmitter into, low and high, frequency band components which are designated as a first and a second data streams respectively. Upon receiving the TV signal, a receiver can reproduce only the low frequency band component or both the low and high frequency band components, depending on its capability. Furthermore, a communication system based on an OFDM system is utilized for data transmission of a plurality of subchannels, wherein the subchannels are differentiated by changing the length of a guard time slot or a carrier wave interval of a symbol transmission time slot, or changing the transmission electric power of the carrier.


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*1 / 1 LGST - ©EPO*

**PN** -  US5802241 A 19980901 [US5802241]  
**AP** - US70637696 19960830 [1996US-0706376]  
**ACT** - 20001226 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20001030  
  
20010102 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20000831  
  
20010403 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20001030  
  
20031118 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20021122  
**UP** - 2003-48

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*1 / 1 CRXX - ©CLAIMS/RRX*

**PN** -  5,802,241 A 19980901 [US5802241]  
**PA** - Matsushita Electric Industrial Co Ltd JP  
**ACT** - 20000831 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010102  
REISSUE REQUEST NUMBER: 09/653482  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2712  
Reissue Patent Number: USRE38513  
  
20001030 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20001226  
REISSUE REQUEST NUMBER: 09/698367  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2712  
Reissue Patent Number: USRE38483

20001030 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010403  
REISSUE REQUEST NUMBER: 09/698367  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2712  
Reissue Patent Number: USRE38483

20031122 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20031118  
REISSUE REQUEST NUMBER: 10/301737  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2712

Reissue Patent Number:

Search statement 3

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5802241

<=1> GET 1st DRAWING SHEET OF 174

September 1, 1998

Communication system

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: ALL**

APPL-NO: 706376 (08)

FILED-DATE: August 30, 1996

GRANTED-DATE: September 1, 1998

CORE TERMS: sub, stream, receiver, transmission, digital, carrier, reproduced,  
video, transmitter, channel ...

Your search request has found no CASES.

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For further explanation, press the H key (for HELP) and then the ENTER key.

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**LEXIS-NEXIS**  
**Library: PATENT**  
**File: JNLS**

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**LEXIS-NEXIS**  
**Library: NEWS**  
**File: CURNWS**

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